

INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU2004/001068

A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. ⁷: H04R 25/00; G10L 21/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

WPAT: hearing, adjust, high frequency, spatial and similar terms.

USPTO: hearing, adjust, high frequency, spatial and similar terms.

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 1999/014986 A1 (UNIVERSITY OF IOWA RESEARCH FOUNDATION) 25 March 1999 Page 3 line 16-Page 9 line 8	1-32
X	US 4837832 A (FANSHEL) 6 June 1989 Col. 2 line 40-Col. 8 line 8	1-32
A	WO 2001/026418 A1 (TØPHOLM & WESTERMANN APS) 12 April 2001 Page 6 line 8-Page 12 line 4	1-32
A	WO 1985/002085 A1 (THE COMMONWEALTH OF AUSTRALIA) 9 May 1985 Page 2 line 2-Page 9 line 15	1-32

☐ Further documents are listed in the continuation of Box C

☒ See patent family annex

* "A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent but published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search
5 October 2004

Date of mailing of the international search report

12 OCT 2004

Name and mailing address of the ISA/AU

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/AU2004/001068

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report				Patent Family Member			
WO	9914986	AU	97750/98	US	6577739		
US	4837832	N/A					
WO	0126418	AU	59689/99	CA	2385390	EP	1219138
		US	2002118851				
WO	8502085	AU	35594/84	CA	1240028	EP	0160054
		US	4803732				
Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.							
END OF ANNEX							